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(71) Applicant (for all designated States except US): **FON-  
DAZIONE CENTRO SAN RAFFAELE DEL MONTE  
TABOR** [IT/TT]; Via Olgettina, 60, I-20123 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LUSSO, Paolo**  
[IT/TT]; c/o Department of Biological & Technological  
Research, San Raffaele H Scientific Institute, I-20132  
Milano (IT). **BURASTERO, Samuele, E.** [IT/TT]; c/o  
Department of Biological & Technological Research, San  
Raffaele H Scientific Institute, I-20132 Milano (IT).

(74) Agents: **MAILLALIEU, Catherine, Louise et al.**; D  
Young & Co, 21 New Fetter Lane, London EC4A 1DA  
(GB).

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(54) Title: PHARMACEUTICAL COMPOSITIONS COMPRISING AN HIV ENVELOPE PROTEIN AND CD4

(57) **Abstract:** (A) Pharmaceutical composition for treating/preventing HIV comprising (i) a polynucleotide encoding HIV envelope protein and (ii) a polynucleotide encoding CD4 receptor protein or; (i) a polynucleotide encoding HIV envelope protein and (ii) a CD4 receptor protein or; a fixed cell expressing an HIV envelope protein complexed with a CD4 receptor protein also disclosed are (B) pharmaceutical compositions for treating/preventing HIV comprising an antibody immunospecific for a fixed cell expressing an HIV envelope protein complexed with a CD4 receptor protein. The binding of the CD4 to the HIV envelope protein, i.e. gp120, exposes hidden epitopes that may be used as targets in immunotherapy; the presentation of the gp120 and CD4 in the present forms is said to overcome problems with prior art soluble gp120-CD4 complexes.